Test Report
Concrete Compresive strength

Project Name	Package-6 a) Providing and Fixing furniture and interior works to Mini Vidhana soudha at Yelahanka in Ward No.01 b)Construction of Additional Floor over existing Samudhaya Bhavana Near Venugopal Swamy Temple in Ward No.02.
Client	The Excecutive Engineer Project Division Yelahanka Zone
Job No	MCTPL/BBMP/EE/YNK/PMC/2018-19/QR/01
Mix Type	Concrete(M25) for Column
Contractor	Sri D.K.Nagaraj.
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Bay
Material	Concrete
Sample No	1
Date	9-Sep-2018

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength
1	25	7	6.89	150*150*150	2041.48	324	0.0225	14.40	14.34	14.59
2	25	7	6.86	150*150*150	2032.59	325	0.0225	14.44		
3	25	7	6.77	150*150*150	2005.93	319	0.0225	14.18		
4	25	7	7.07	150*150*150	2094.81	328	0.0225	14.58	14.83	
5	25	7	6.77	150*150*150	2005.93	335	0.0225	14.89		
6	25	7	6.66	150*150*150	1973.33	338	0.0225	15.02		

Results: 7-days Compressive strength of cement is 14.59 N/mm2

Note:

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For Mecadez Core Technologies Pvt Ltd

Authorised Signature

Test Report
Concrete Compresive strength

Project Name	Package-6 a) Providing and Fixing furniture and interior works to Mini Vidhana soudha at Yelahanka in Ward No.01 b)Construction of Additional Floor over existing Samudhaya Bhavana Near Venugopal Swamy Temple in Ward No.02.
Client	The Excecutive Engineer Project Division Yelahanka Zone
Job No	MCTPL/BBMP/EE/YNK/PMC/2018-19/QR/01
Mix Type	Concrete(M25) for Column
Contractor	Sri D.K.Nagaraj.
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Bay
Material	Concrete
Sample No	1
Date	30-Sep-2018

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength
1	25	28	7.94	150*150*150	2352.59	528.00	0.0225	23.47	23.73	23.88
2	25	28	7.85	150*150*150	2325.93	537.00	0.0225	23.87		
3	25	28	7.79	150*150*150	2308.15	537.00	0.0225	23.87		
4	25	28	7.85	150*150*150	2325.93	539.00	0.0225	23.96	24.03	
5	25	28	7.92	150*150*150	2346.67	545.00	0.0225	24.22		
6	25	28	7.86	150*150*150	2328.89	538.00	0.0225	23.91		

Results: 28-days Compressive strength of cement is 23.88 N/mm2

Note:

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Test Report
Concrete Compresive strength

Project Name	Package-6 a) Providing and Fixing furniture and interior works to Mini Vidhana soudha at Yelahanka in Ward No.01 b)Construction of Additional Floor over existing Samudhaya Bhavana Near Venugopal Swamy Temple in Ward No.02.
Client	The Excecutive Engineer Project Division Yelahanka Zone
Job No	MCTPL/BBMP/EE/YNK/PMC/2018-19/QR/01
Mix Type	Concrete(M25) for Lintel
Contractor	Sri D.K.Nagaraj.
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Bay
Material	Concrete
Sample No	1
Date	23-Sep-2018

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength
1	25	7	6.89	150*150*150	2041.48	331	0.0225	14.71	14.44	14.64
2	25	7	6.86	150*150*150	2032.59	325	0.0225	14.44		
3	25	7	6.77	150*150*150	2005.93	319	0.0225	14.18		
4	25	7	7.07	150*150*150	2094.81	325	0.0225	14.44	14.83	
5	25	7	6.77	150*150*150	2005.93	338	0.0225	15.02		
6	25	7	6.66	150*150*150	1973.33	338	0.0225	15.02		

Results: 7-days Compressive strength of cement is 14.64 N/mm2

Note:

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Test Report
Concrete Compresive strength

Project Name	Package-6 a) Providing and Fixing furniture and interior works to Mini Vidhana soudha at Yelahanka in Ward No.01 b)Construction of Additional Floor over existing Samudhaya Bhavana Near Venugopal Swamy Temple in Ward No.02.
Client	The Excecutive Engineer Project Division Yelahanka Zone
Job No	MCTPL/BBMP/EE/YNK/PMC/2018-19/QR/01
Mix Type	Concrete(M25) for Lintel
Contractor	Sri D.K.Nagaraj.
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Bay
Material	Concrete
Sample No	1
Date	14-Oct-2018

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength
1	25	28	7.94	150*150*150	2352.59	526.00	0.0225	23.38	23.67	23.89
2	25	28	7.85	150*150*150	2325.93	537.00	0.0225	23.87		
3	25	28	7.79	150*150*150	2308.15	535.00	0.0225	23.78		
4	25	28	7.85	150*150*150	2325.93	542.00	0.0225	24.09	24.10	
5	25	28	7.92	150*150*150	2346.67	545.00	0.0225	24.22		
6	25	28	7.86	150*150*150	2328.89	540.00	0.0225	24.00		

Results: 28-days Compressive strength of cement is 23.89 N/mm2

Note:

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Test Report
Concrete Compresive strength

Project Name	Package-6 a) Providing and Fixing furniture and interior works to Mini Vidhana soudha at Yelahanka in Ward No.01 b)Construction of Additional Floor over existing Samudhaya Bhavana Near Venugopal Swamy Temple in Ward No.02.
Client	The Excecutive Engineer Project Division Yelahanka Zone
Job No	MCTPL/BBMP/EE/YNK/PMC/2018-19/QR/01
Mix Type	Concrete(M20) for Beams
Contractor	Sri D.K.Nagaraj.
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Bay
Material	Concrete
Sample No	1
Date	7-Oct-2018

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength
1	20	7	6.89	150*150*150	2041.48	330	0.0225	14.67	14.43	14.61
2	20	7	6.86	150*150*150	2032.59	325	0.0225	14.44		
3	20	7	6.77	150*150*150	2005.93	319	0.0225	14.18		
4	20	7	7.07	150*150*150	2094.81	325	0.0225	14.44	14.79	
5	20	7	6.77	150*150*150	2005.93	335	0.0225	14.89		
6	20	7	6.66	150*150*150	1973.33	338	0.0225	15.02		

Results: 7-days Compressive strength of cement is 14.61 N/mm2

Note:

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Test Report
Concrete Compresive strength

Project Name	Package-6 a) Providing and Fixing furniture and interior works to Mini Vidhana soudha at Yelahanka in Ward No.01 b)Construction of Additional Floor over existing Samudhaya Bhavana Near Venugopal Swamy Temple in Ward No.02.
Client	The Excecutive Engineer Project Division Yelahanka Zone
Job No	MCTPL/BBMP/EE/YNK/PMC/2018-19/QR/01
Mix Type	Concrete(M20) for Beams
Contractor	Sri D.K.Nagaraj.
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Bay
Material	Concrete
Sample No	2
Date	7-Oct-2018

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength
1	20	7	6.99	150*150*150	2071.11	332	0.0225	14.76	14.52	14.70
2	20	7	6.96	150*150*150	2062.22	327	0.0225	14.53		
3	20	7	6.87	150*150*150	2035.56	321	0.0225	14.27		
4	20	7	7.17	150*150*150	2124.44	327	0.0225	14.53	14.87	
5	20	7	6.87	150*150*150	2035.56	337	0.0225	14.98		
6	20	7	6.76	150*150*150	2002.96	340	0.0225	15.11		

Results: 7-days Compressive strength of cement is 14.70 N/mm2

Note:

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Test Report
Concrete Compresive strength

Project Name	Package-6 a) Providing and Fixing furniture and interior works to Mini Vidhana soudha at Yelahanka in Ward No.01 b)Construction of Additional Floor over existing Samudhaya Bhavana Near Venugopal Swamy Temple in Ward No.02.
Client	The Excecutive Engineer Project Division Yelahanka Zone
Job No	MCTPL/BBMP/EE/YNK/PMC/2018-19/QR/01
Mix Type	Concrete(M20) for Beams
Contractor	Sri D.K.Nagaraj.
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Bay
Material	Concrete
Sample No	1
Date	28-Oct-2018

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength
1	20	28	7.94	150*150*150	2352.59	524.00	0.02	23.29	23.67	23.87
2	20	28	7.85	150*150*150	2325.93	537.00	0.02	23.87		
3	20	28	7.79	150*150*150	2308.15	537.00	0.02	23.87		
4	20	28	7.85	150*150*150	2325.93	542.00	0.02	24.09	24.07	
5	20	28	7.92	150*150*150	2346.67	545.00	0.02	24.22		
6	20	28	7.86	150*150*150	2328.89	538.00	0.02	23.91		

Results: 28-days Compressive strength of cement is 23.87 N/mm2

Note:

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Test Report
Concrete Compresive strength

Project Name	Package-6 a) Providing and Fixing furniture and interior works to Mini Vidhana soudha at Yelahanka in Ward No.01 b)Construction of Additional Floor over existing Samudhaya Bhavana Near Venugopal Swamy Temple in Ward No.02.
Client	The Excecutive Engineer Project Division Yelahanka Zone
Job No	MCTPL/BBMP/EE/YNK/PMC/2018-19/QR/01
Mix Type	Concrete(M20) for Beams
Contractor	Sri D.K.Nagaraj.
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Bay
Material	Concrete
Sample No	2
Date	28-Oct-2018

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength
1	20	28	8.04	150*150*150	2382.22	526.00	0.0225	23.38	23.76	23.96
2	20	28	7.95	150*150*150	2355.56	539.00	0.0225	23.96		
3	20	28	7.89	150*150*150	2337.78	539.00	0.0225	23.96		
4	20	28	7.95	150*150*150	2355.56	544.00	0.0225	24.18	24.16	
5	20	28	8.02	150*150*150	2376.30	547.00	0.0225	24.31		
6	20	28	7.96	150*150*150	2358.52	540.00	0.0225	24.00		

Results: 28-days Compressive strength of cement is 23.96 N/mm2

Note:

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Test Report
Concrete Compresive strength

Project Name	Package-6 a) Providing and Fixing furniture and interior works to Mini Vidhana soudha at Yelahanka in Ward No.01 b)Construction of Additional Floor over existing Samudhaya Bhavana Near Venugopal Swamy Temple in Ward No.02.
Client	The Excecutive Engineer Project Division Yelahanka Zone
Job No	MCTPL/BBMP/EE/YNK/PMC/2018-19/QR/01
Mix Type	Concrete(M20) for Roof Slab
Contractor	Sri D.K.Nagaraj.
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Bay
Material	Concrete
Sample No	1
Date	17-Oct-2018

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength
1	20	7	6.80	150*150*150	2014.81	333	0.0225	14.80	14.47	14.67
2	20	7	6.88	150*150*150	2038.52	325	0.0225	14.44		
3	20	7	6.75	150*150*150	2000.00	319	0.0225	14.18		
4	20	7	7.09	150*150*150	2100.74	327	0.0225	14.53	14.86	
5	20	7	6.75	150*150*150	2000.00	338	0.0225	15.02		
6	20	7	6.63	150*150*150	1964.44	338	0.0225	15.02		

Results: 7-days Compressive strength of cement is 14.67 N/mm2

Note:

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Test Report
Concrete Compresive strength

Project Name	Package-6 a) Providing and Fixing furniture and interior works to Mini Vidhana soudha at Yelahanka in Ward No.01 b)Construction of Additional Floor over existing Samudhaya Bhavana Near Venugopal Swamy Temple in Ward No.02.
Client	The Excecutive Engineer Project Division Yelahanka Zone
Job No	MCTPL/BBMP/EE/YNK/PMC/2018-19/QR/01
Mix Type	Concrete(M20) for Roof Slab
Contractor	Sri D.K.Nagaraj.
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Bay
Material	Concrete
Sample No	2
Date	17-Oct-2018

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength
1	20	7	6.90	150*150*150	2044.44	335	0.0225	14.89	14.56	14.76
2	20	7	6.98	150*150*150	2068.15	327	0.0225	14.53		
3	20	7	6.85	150*150*150	2029.63	321	0.0225	14.27		
4	20	7	7.19	150*150*150	2130.37	329	0.0225	14.62	14.95	
5	20	7	6.85	150*150*150	2029.63	340	0.0225	15.11		
6	20	7	6.73	150*150*150	1994.07	340	0.0225	15.11		

Results: 7-days Compressive strength of cement is 14.76 N/mm2

Note:

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Test Report
Concrete Compresive strength

Project Name	Package-6 a) Providing and Fixing furniture and interior works to Mini Vidhana soudha at Yelahanka in Ward No.01 b)Construction of Additional Floor over existing Samudhaya Bhavana Near Venugopal Swamy Temple in Ward No.02.
Client	The Excecutive Engineer Project Division Yelahanka Zone
Job No	MCTPL/BBMP/EE/YNK/PMC/2018-19/QR/01
Mix Type	Concrete(M20) for Roof Slab
Contractor	Sri D.K.Nagaraj.
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Bay
Material	Concrete
Sample No	1
Date	7-Nov-2018

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength
1	20	28	7.92	150*150*150	2346.67	526.00	0.02	23.38	23.72	23.91
2	20	28	7.81	150*150*150	2314.07	540.00	0.02	24.00		
3	20	28	7.71	150*150*150	2284.44	535.00	0.02	23.78		
4	20	28	7.83	150*150*150	2320.00	542.00	0.02	24.09	24.10	
5	20	28	7.95	150*150*150	2355.56	545.00	0.02	24.22		
6	20	28	7.89	150*150*150	2337.78	540.00	0.02	24.00		

Results: 28-days Compressive strength of cement is 23.91 N/mm2

Note:

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Test Report
Concrete Compresive strength

Project Name	Package-6 a) Providing and Fixing furniture and interior works to Mini Vidhana soudha at Yelahanka in Ward No.01 b)Construction of Additional Floor over existing Samudhaya Bhavana Near Venugopal Swamy Temple in Ward No.02.
Client	The Excecutive Engineer Project Division Yelahanka Zone
Job No	MCTPL/BBMP/EE/YNK/PMC/2018-19/QR/01
Mix Type	Concrete(M20) for Roof Slab
Contractor	Sri D.K.Nagaraj.
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Bay
Material	Concrete
Sample No	2
Date	7-Nov-2018

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength
1	20	28	8.02	150*150*150	2376.30	528.00	0.0225	23.47	23.81	24.00
2	20	28	7.91	150*150*150	2343.70	542.00	0.0225	24.09		
3	20	28	7.81	150*150*150	2314.07	537.00	0.0225	23.87		
4	20	28	7.93	150*150*150	2349.63	544.00	0.0225	24.18	24.19	
5	20	28	8.05	150*150*150	2385.19	547.00	0.0225	24.31		
6	20	28	7.99	150*150*150	2367.41	542.00	0.0225	24.09		

Results: 28-days Compressive strength of cement is 24.00 N/mm2

Note:

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Test Report
Concrete Compresive strength

Project Name	Package-6 a) Providing and Fixing furniture and interior works to Mini Vidhana soudha at Yelahanka in Ward No.01 b)Construction of Additional Floor over existing Samudhaya Bhavana Near Venugopal Swamy Temple in Ward No.02.
Client	The Excecutive Engineer Project Division Yelahanka Zone
Job No	MCTPL/BBMP/EE/YNK/PMC/2018-19/QR/01
Mix Type	Concrete(M25) for Parapet Column
Contractor	Sri D.K.Nagaraj.
Test Method	IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Bay
Material	Concrete
Sample No	1
Date	22-Oct-2018

Cube	Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m^3)	Max. Load (KN)	Area (m^2)	Compressive Strength (N/mm^2)	Avg. Sample Strength	Avg. Strength
1	25	7	6.87	150*150*150	2035.56	324	0.0225	14.40	14.34	14.59
2	25	7	6.85	150*150*150	2029.63	325	0.0225	14.44		
3	25	7	6.78	150*150*150	2008.89	319	0.0225	14.18		
4	25	7	7.08	150*150*150	2097.78	328	0.0225	14.58	14.83	
5	25	7	6.79	150*150*150	2011.85	335	0.0225	14.89		
6	25	7	6.68	150*150*150	1979.26	338	0.0225	15.02		

Results: 7-days Compressive strength of cement is 14.59 N/mm2

Note:

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Test Report
Solid block

Project Name	Package-6 a) Providing and Fixing furniture and interior works to Mini Vidhana soudha at Yelahanka in Ward No.01 b)Construction of Additional Floor over existing Samudhaya Bhavana Near Venugopal Swamy Temple in Ward No.02.
Client	The Excecutive Engineer Project Division Yelahanka Zone
Job No	MCTPL/BBMP/EE/YNK/PMC/2018-19/QR/01
Contractor	Sri D.K.Nagaraj.
Location	Bay
Material	Soild block
Sample No	1
Date	29-Sep-2018

SL.NO	Failure Load in KN	CHARACTERISTIC COMPRESSIVE STRENGTH, fck , in, N/Sq.mm	AVG CHARACTERISTIC COMPRESSIVE STRENGTH, fck in N/Sq.mm	REMARKS
1	471	5.85	5.87	
2	468	5.8		
3	475	5.95		

Results: Compressive strength of solid block is 5.87 N/mm2

Note:

i. The results indicated above are based on the tests carried out on the sample at site.

ii. The results relate only to the items tested.

iii. This test report should not be reproduced except in full, without written approval of this laboratory.

iv. Any query regarding the report must be reported immediately.

Mecadez Core Technologies Private Limited

Authorised Signature

Test Report
Steel

Project Name	Package-6 a) Providing and Fixing furniture and interior works to Mini Vidhana soudha at Yelahanka in Ward No.01 b)Construction of Additional Floor over existing Samudhaya Bhavana Near Venugopal Swamy Temple in Ward No.02.
Client	The Excecutive Engineer Project Division Yelahanka Zone
Job No	MCTPL/BBMP/EE/YNK/PMC/2018-19/QR/01
Contractor	Sri D.K.Nagaraj.
Location	Bay
Material	Steel
Sample No	1
Date	11-Sep-2018

Sl. No.	Dia in mm	Weight in Kg/mtr	Average Weight Kg/mtr	Ultimate Load in KN	Ultimate Tensile stress in N/mm^2	Average Ultimate Tensile Stress N/mm^2	Elongation in mm	Bending and Rebending
1	8	0.395	0.4	32.2	640.6	622.7	20	OK
	8	0.398		30.4	604.79			
2	10	0.601	0.6	47.2	600.97	597.15	20	OK
	10	0.593		46.6	593.33			
3	12	0.896	0.88	72.8	643.69	631.32	20	OK
	12	0.872		70	618.94			
4	16	1.598	1.6	118.5	589.37	595.59	20	OK
	16	1.605		121	601.8			

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